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**Chen**

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(54) **ARTICLE-HOLDING HOOK OF LUGGAGE**

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(52) **U.S. Cl.** ..... **190/102; 24/599.5; 190/108**

(58) **Field of Search** ..... 190/102, 15.1, 190/108; 24/599.5

(56) **References Cited**

**U.S. PATENT DOCUMENTS**

- 5,547,052 A \* 8/1996 Latshaw ..... 190/108
- 5,593,009 A \* 1/1997 King ..... 190/102
- 5,829,559 A \* 11/1998 Nordstrom et al. .... 190/102

- 5,842,673 A \* 12/1998 Fenton ..... 190/102 X
- 6,141,841 A \* 11/2000 Workman ..... 190/102 X
- 6,209,179 B1 \* 4/2001 Shou-Mao ..... 190/102 X

\* cited by examiner

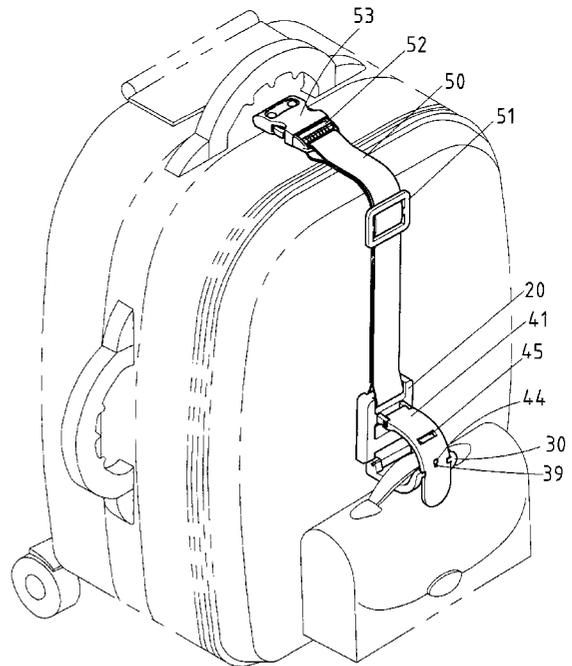
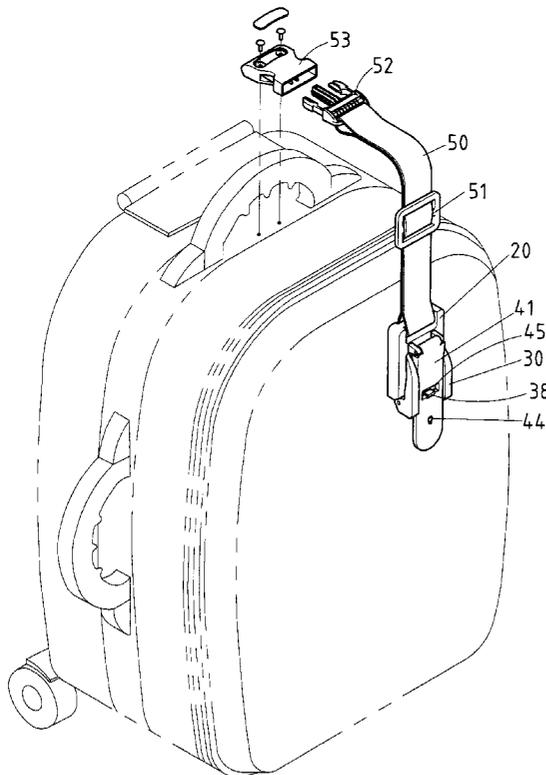
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(57) **ABSTRACT**

An article-holding device is connected to the shell of a piece of luggage to facilitate the carrying of an article along with the luggage. The device is formed of a base plate, a hooked plate, and a fastening piece. The base plate is provided with two protruded blocks for fastening pivotally to the fastening piece, and a cross seat block for fastening pivotally to the hooked plate. The base plate is provided with a cross hole for enabling the hooked plate to swivel upward to connect to the base plate. The fastening piece is provided with a retaining hole and a folding hole. The hooked plate is provided in the underside with two retaining hooks to facilitate the folding or the unfolding of the hooked plate.

**2 Claims, 8 Drawing Sheets**



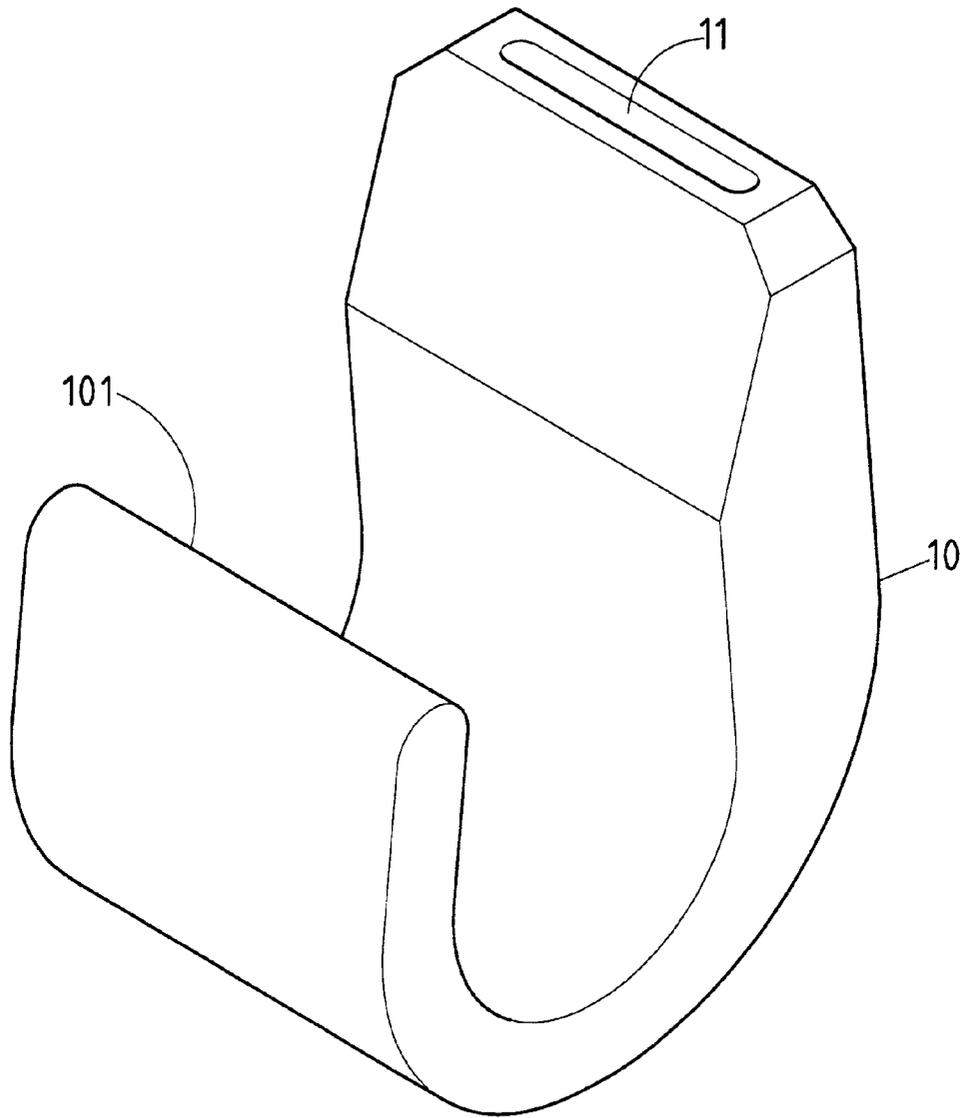


FIG.1 PRIOR ART

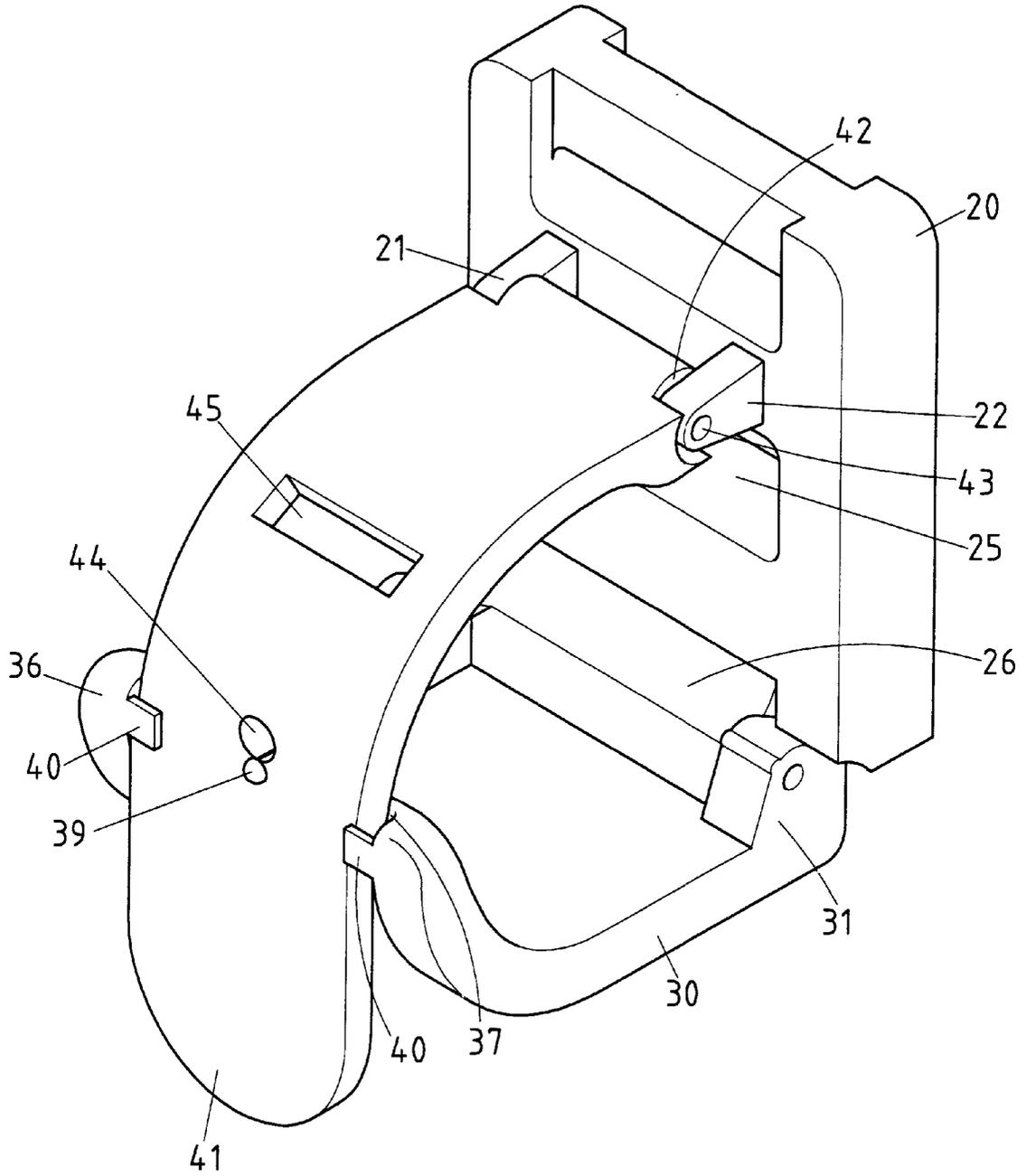


FIG.2

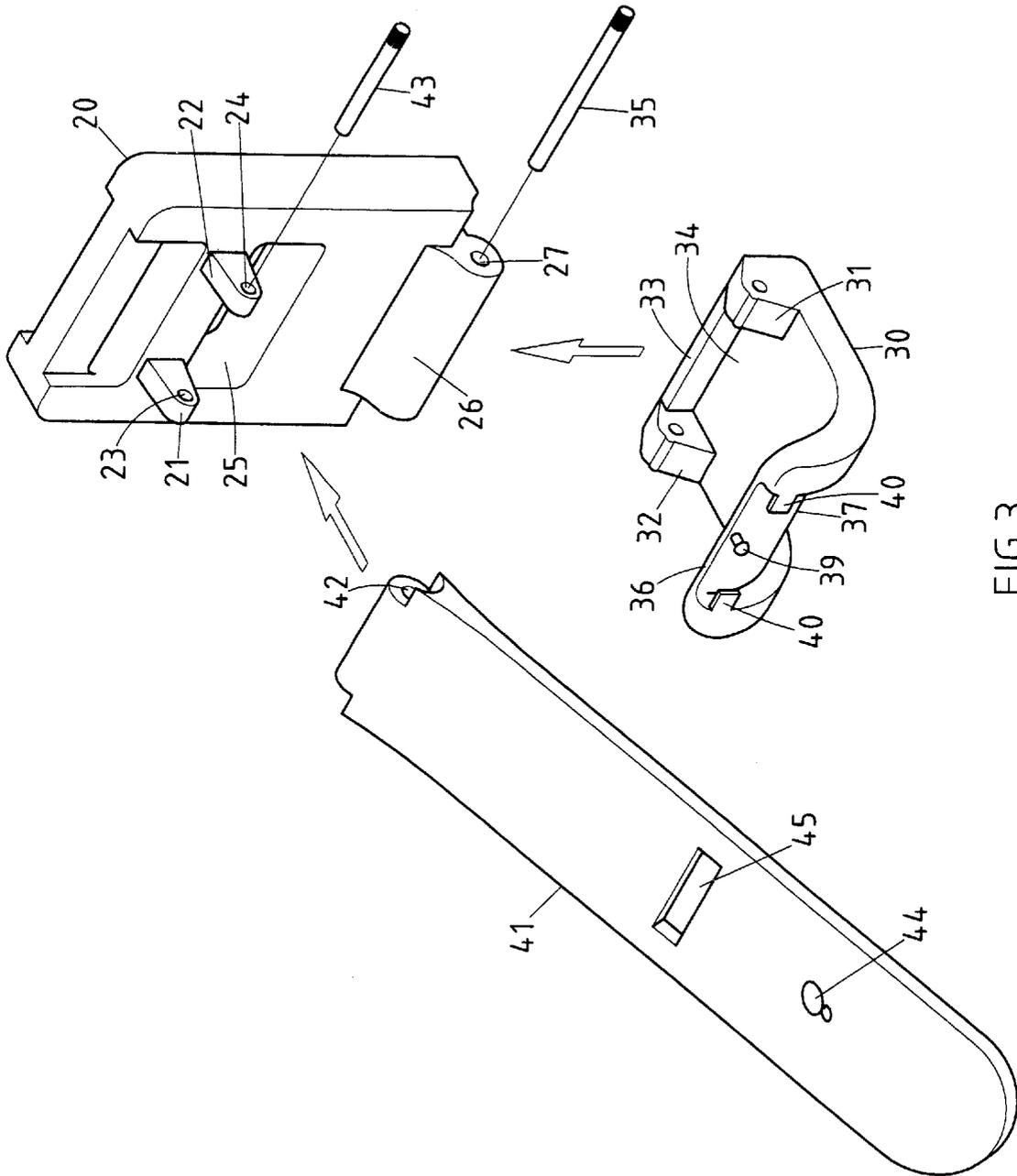


FIG. 3

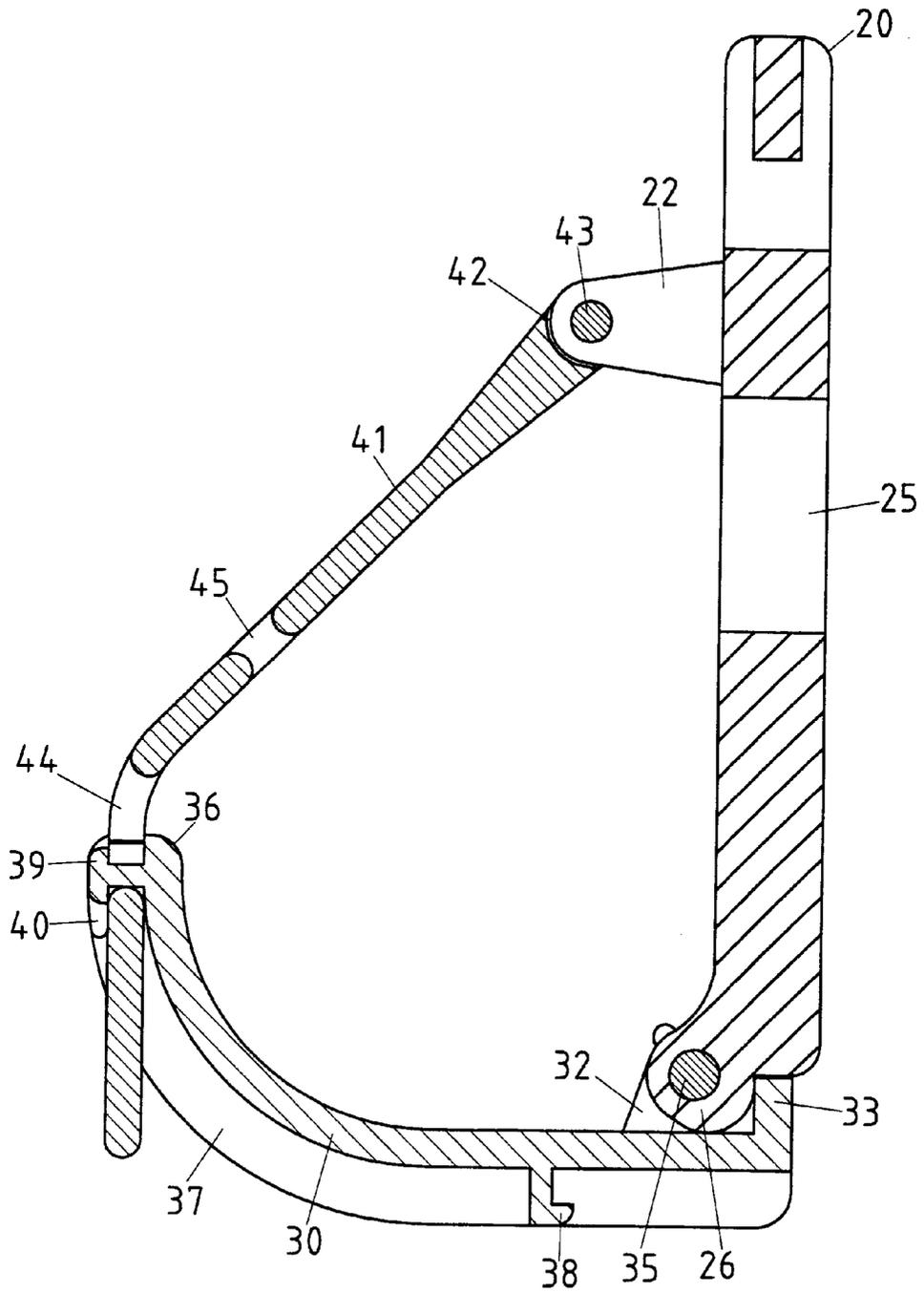


FIG. 4

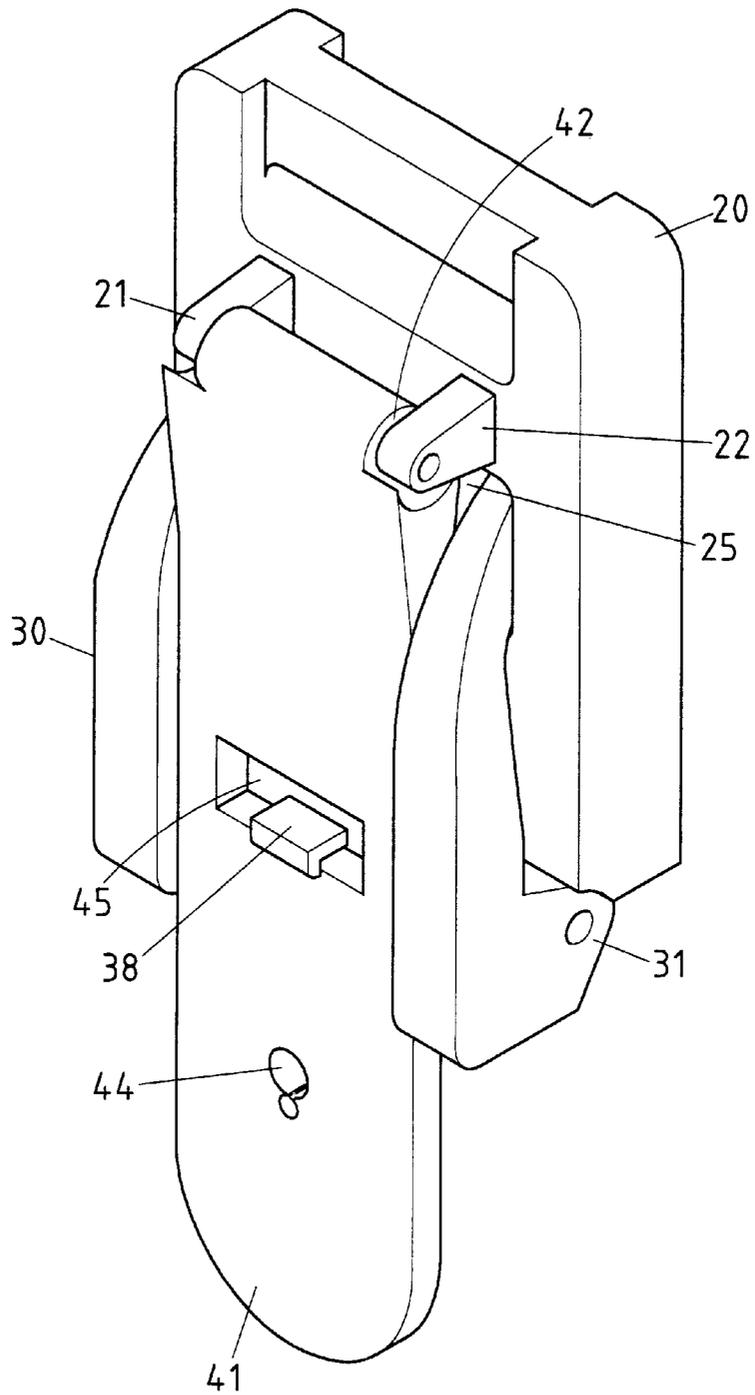


FIG.5

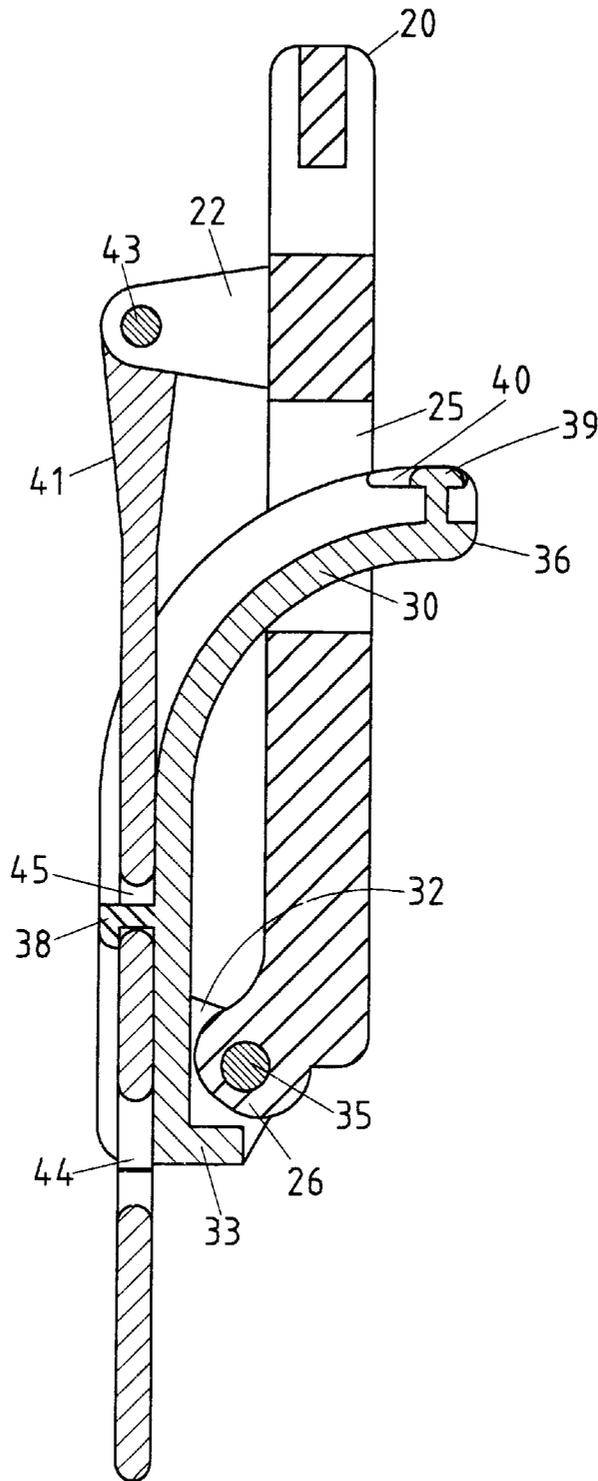


FIG. 6

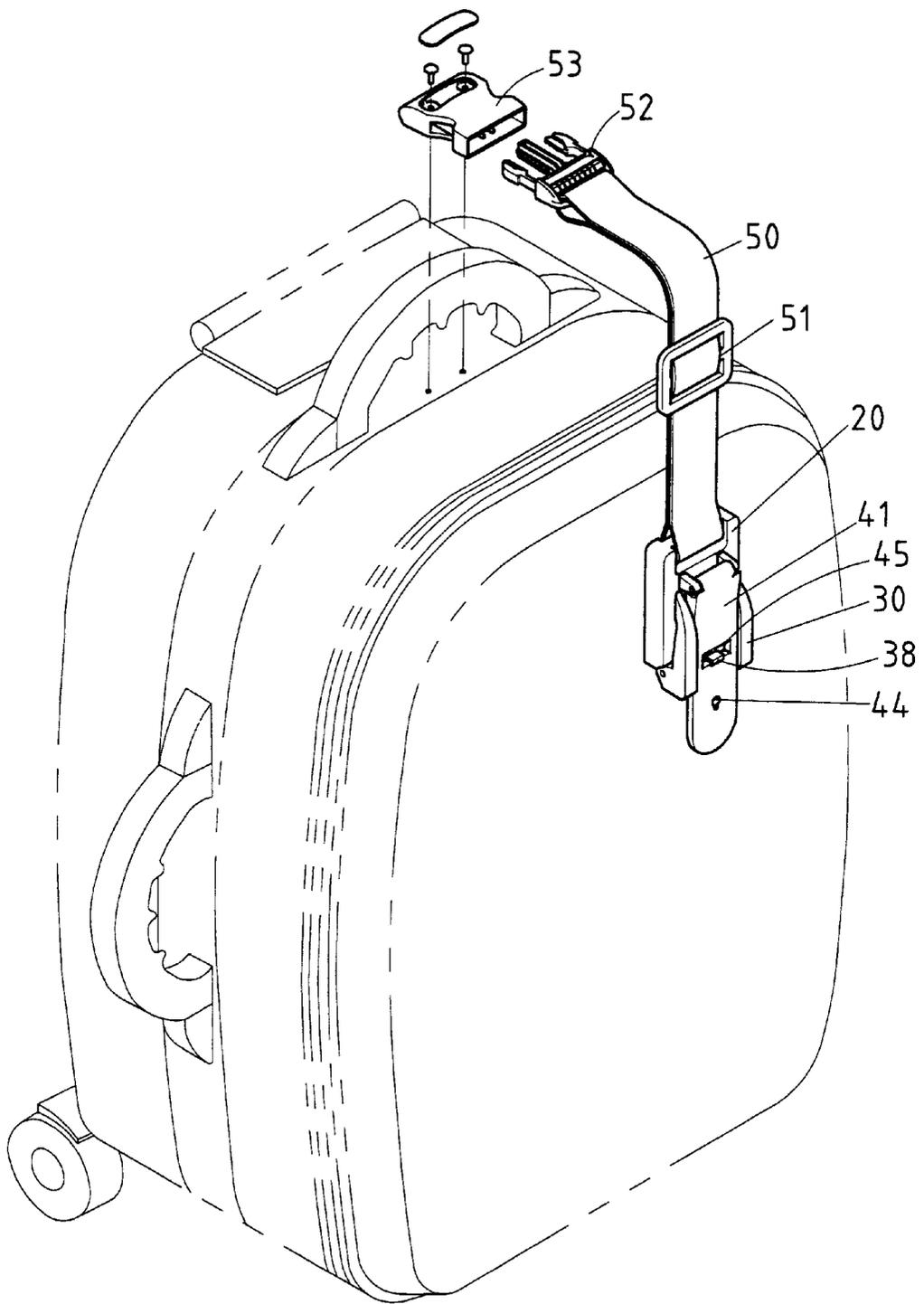


FIG. 7

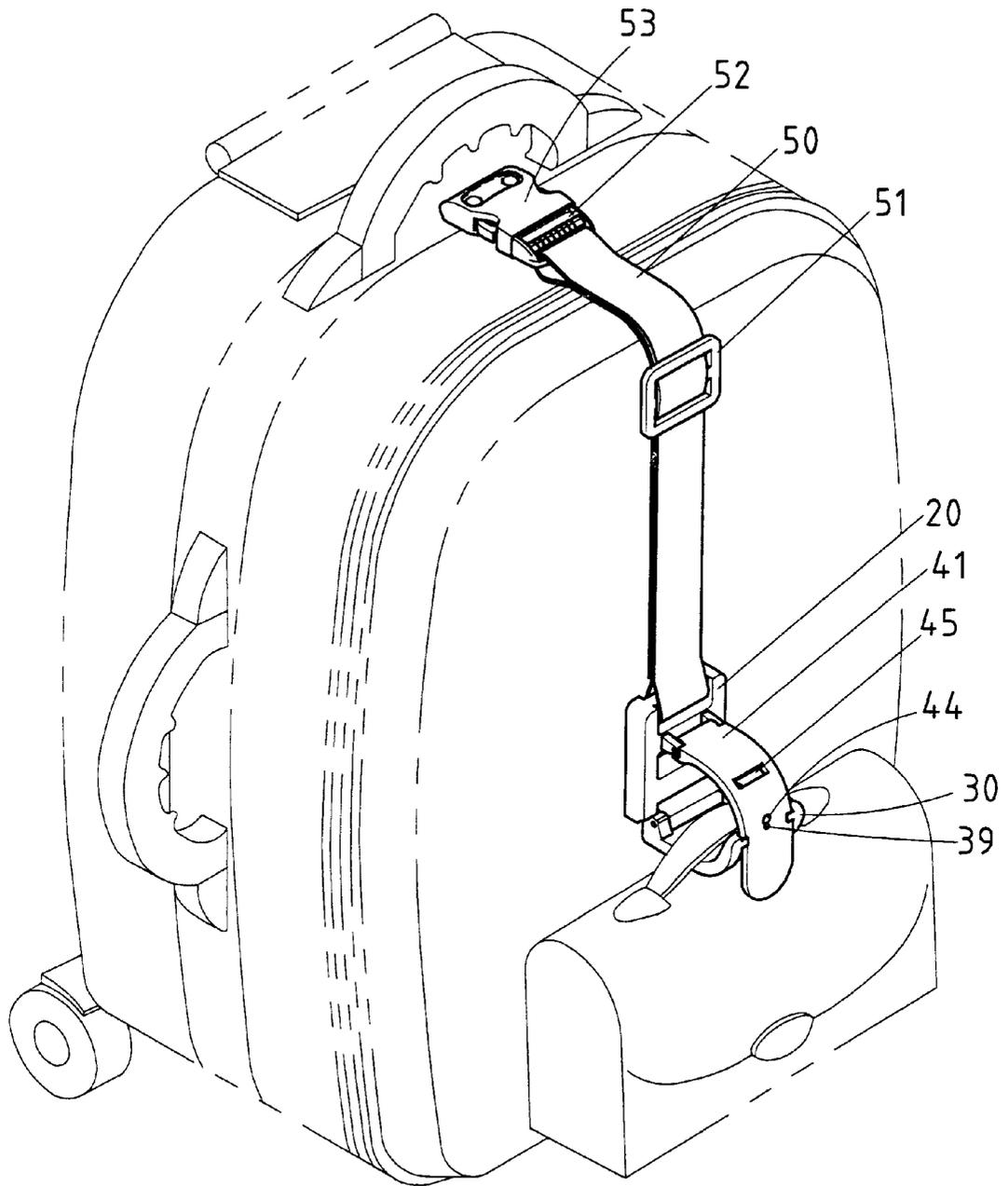


FIG. 8

**ARTICLE-HOLDING HOOK OF LUGGAGE****TECHNICAL FIELD**

The present invention relates generally to luggage, and more particularly to an accessory of luggage.

**BACKGROUND ART**

As shown in FIG. 1, an article-holding hook **10** of the prior art is designed to be fastened with a luggage and is provided to a through hole **11** into which a fabric belt is inserted for fastening the hook **10** to the luggage. The hook **10** is fastened the outer surface of the luggage shell for carrying an article, such as a hand bag.

Such a prior art hook **10** as described above is defective in design because the hook **10** is devoid of a retainer for retaining securely the article, and because the hook **10** has a hook end **101** which is apt to catch a dress worn by a person, or a conveyor belt.

**SUMMARY OF THE INVENTION**

The primary objective of the present invention is to provide an article holder which is fastened to the external side of luggage to facilitate the carrying of a relatively smaller article, such as a hand bag.

The article holder of the present invention is formed of a base plate, a hooked plate, and a fastening piece.

The objective, features, and advantages of the present invention will be more readily understood upon a thoughtful deliberation of the following detailed description of a preferred embodiment of the present invention with reference to the accompanying drawings.

**BRIEF DESCRIPTION OF THE DRAWINGS**

FIG. 1 shows a perspective view of an article-holding hook of the prior art.

FIG. 2 shows a perspective view of the preferred embodiment of the present invention.

FIG. 3 shows an exploded view of the preferred embodiment of the present invention.

FIG. 4 shows a sectional schematic view of the preferred embodiment of the present invention.

FIG. 5 shows a perspective view of the preferred embodiment of the present invention in the folded state.

FIG. 6 shows a sectional schematic view of the preferred embodiment of the present invention in the folded state.

FIG. 7 shows a schematic view of the present invention at work.

FIG. 8 shows another schematic view of the present invention at work.

**DETAILED DESCRIPTION OF THE INVENTION**

As shown in FIGS. 2-8, an article-retaining device embodied in the present invention is fixed with the external side of a piece of luggage for carrying a relatively small article along with the luggage. The article-retaining device of the present invention is formed of a base plate **20**, a hooked plate **30**, and a fastening piece **41**.

The base plate **20** is provided near the top thereof, with two protruded blocks **21**, **22**, which are provided respectively with a through hole **23**, **24**. The base plate **20** is provided with a cross hole **25** located under the protruded

blocks **21** and **22**. The base plate **20** is provided with a cross base block **26** extending downward in a slanting manner and having a through hole **27**.

The hooked plate **30** is provided in the top thereof with two seat blocks **31** and **32**, which are connected by a stop block **33** so as to form a slot **34** between the two seat blocks **31** and **32** for accommodating the cross base block **26** which is pivotally mounted between the seat blocks **31** and **32** by a pivot **35**. The hooked plate **30** is provided with a hooked end **36** and a recess **37**. The hooked plate **30** is provided in the underside thereof with a retaining hook **38**. The hooked plate **30** is further provided with a hook **39** and a protruded edge **40**.

The fastening piece **41** is made of a pliable material and is provided with a tubular portion **42**, which is disposed between the two protruded blocks **21** and **22** such that the fastening piece **41** is pivotally mounted between the protruded blocks **21** and **22** by a pivot **43**. The fastening piece **41** is provided with a retaining hole **44** and a folding hole **45**.

The present invention may be formed of the base plate **20** and the hooked plate **30**, without the fastening piece **41**.

As shown in FIGS. 7 and 8, the present invention further comprises a fabric belt **50** which is provided in the midsegment thereof with an adjusting member **51**, and in other end thereof with a male retainer **52**. A female retainer **53** is riveted to the luggage shell by a rivet **54**.

As illustrated in FIGS. 2 and 4, the hooked plate **30** is swiveled downward to form an angle of 90 degrees with the base plate **20**. An article can be retained by the hooked plate **30** such that the hook **39** of the hooked plate **30** is retained in the retaining hole **44** of the fastening piece **41**, which is disposed in the recess **37** such that the fastening piece **41** is aligned by the two protruded edges **40**.

As shown in FIGS. 5 and 6, the present invention can be folded by disengaging the hook **39** of the hooked plate **30** with the retaining hole **44** of the fastening piece **41**. Thereafter, the hooked plate **30** is moved toward the base plate **20** such that the hooked end **36** is inserted into the cross hole **25** of the base plate **20**. The fastening piece **41** is put into the recess **37** of the underside of the hooked plate **30**. The folding hole **45** serves to retain the retaining hook **38**, so as to locate the hooked plate **30**.

The embodiment of the present invention described above is to be regarded in all respects as being merely illustrative and not restrictive. Accordingly, the present invention may be embodied in other specific forms without deviating from the spirit thereof. The present invention is therefore to be limited only by the scope of the following appended claims.

What is claimed is:

1. An article-retaining device fixed with the external side of a luggage for carrying an article along with the luggage, said device comprising:

a base plate provided in the proximity of a top thereof with two protruded blocks which are respectively provided with a through hole, said base plate further provided with a cross hole located under said protruded blocks, and a cross base block extending slantingly and downward, said cross base block being provided with a through hole;

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a hooked plate provided in a top thereof with two seat blocks which are connected by a stop block so as to form a slot between said two seat blocks for accommodating said cross base block which is pivoted with said two seat blocks by a pivot, said hooked plate further provided with a hooked end and a recess, said hooked plate further provided in the underside with a retaining hook, said hooked plate further provided with a hook and a protruded edge; and  
a fastening piece provided with a tabular portion which is disposed between said two protruded blocks such that

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said fastening piece is pivoted with said two protruded blocks by a pivot, said fastening piece further provided with a retaining hole and a folding hole.

2. The article-retaining device as defined in claim 1 further comprising a fabric belt which is provided in the midsegment with an adjusting member, and in other end thereof with a male retainer, and a female retainer riveted to the luggage.

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